

ABSTRACT:

Method and Receiver for the Simultaneous Detection and
Analysis of at Least Two Electromagnetic Signals

A method and a receiver are described for the simultaneous detection and analysis of at least two electromagnetic signals (8, 9) by a common detector (6), the detection and analysis of at least one radiation image signal (8,9) taking place. In this case, a division of an input radiation image (9) takes place into at least two partial images (TB1, TB2, TB3, TB4), and a projection of the partial images (TB1, TB2, TB3, TB4) takes place onto a radiation detector (6), an imaging of the partial images (TB1, TB2, TB3, TB4) onto the radiation detector (6) taking place such that the radiation intensities of the partial images (TB1, TB2, TB3, TB4) are projected from the image center of the input radiation image (9) to the edge of the radiation image (9) on the detector (6).

(Figure 7)